

# NEWSLINE

Published weekly for employees of Lawrence Livermore National Laboratory

Friday, March 8, 2002

Vol. 27, No. 10



## FROM THE DIRECTOR

Bruce Tarter

### A-List sets Laboratory's priorities for 2002

Shortly after I became Director, I introduced the idea of the Lab A-List. The purpose was to identify 10 objectives for each year that would define the most important institutional goals for me and the other senior managers. To make the list an item had to a) be important for a significant fraction of the Laboratory; b) have major deliverables during the year; and c) require my personal attention and have buy-in from the senior managers as a group. I also encouraged the other senior managers to utilize a similar A-List concept for their organizations.

I have personally found the list extremely useful over the years as a mechanism for setting my own priorities. If the Laboratory achieves the majority of the items on the list, we are essentially guaranteed a successful year. Failure to meet some of the central tenets will almost certainly mean significant problems in one or more areas.

Since this may be the last year such a list formally exists (my successor may well choose a different method to achieve the same purpose), I will go through this year's list in some detail in this column. I hope this may give you some insight into why the individual items are important as well as why other items didn't make the list.

The first objective deals with our role in the

See **DIRECTOR**, page 8

## THE LAB'S 'A' LIST

1. Work to make the five-year NNSA/DP stockpile stewardship program plan a reality.
2. Meet all the project and program milestones for NIF.
3. Build a strong counter-terrorism program that responds to the wide range of needs and opportunities.
4. Meet the UC goals: Appendix O, enhanced system efficiency in operations, and program integration where appropriate.
5. Implement the recommendations from the employee survey.
6. Keep the site safe and secure and maintain our record of excellence by passing all operational reviews.
7. Develop new strategies for growing initiatives in non-nuclear defense, energy, environment, and the physical and biosciences.
8. Award the contract for the supercomputer that will replace ASCI White and continue and expand the Lab's broad national leadership role in supercomputing.
9. With the new Director, engage in a strategic planning effort that sets directions and commits the Laboratory to a common set of institutional goals.
10. Use the 50th anniversary as an opportunity to reflect on our history and gain a renewed sense of commitment to the missions of the Laboratory.

## Livermore, Los Alamos labs complete first 3-D simulation of full-system nuclear weapon

Scientists at Lawrence Livermore and Los Alamos national laboratories have completed two of the largest computer simulations ever attempted, the first full-system three-dimensional simulations of a nuclear weapon explosion.

These simulations signify completion of an important milestone in the maturing of the National Nuclear Security Administration's Stockpile Stewardship Program, which is responsible for maintaining the safety, security and reliability of the nation's nuclear deterrent. Both calculations ran on the ASCI White machine — the world's fastest and most capable supercomputer — at LLNL.

"With this accomplishment, NNSA has advanced the state of the art in computer simulation," said Secretary of Energy Spencer Abraham. "All those involved — from NNSA, the laboratories and the private sector — are to be congratulated for their efforts."

Achievement of this "full-system" milestone is crucial to the mission of the NNSA and its national security laboratories.

"This is a significant technical achievement," said NNSA Administrator John Gordon. "The NNSA's role in spurring the development of some of the fastest computers in the world is already paying dividends. We can now simulate an entire nuclear weapon explosion and learn critical information about the nation's weapons stockpile as it ages."

Two years ago, Los Alamos and Livermore scientists completed the first 3-D simulations of, respectively, a weapon secondary and a weapon primary, the two stages of modern nuclear weapons. The new simulations build on the experience gained in those achievements to enable simulations of a weapon's complete operation.

See **ASCI**, page 7

## CGSR creates York fellowship in honor of its first director

A postdoctoral fellowship program named for the Laboratory's first director, Herbert York, is now accepting applications.

Herbert York Postdoctoral Fellows will work in the Lab's Center for Global Security Research (CGSR), which brings together experts from the science and technology, and policy communities to explore innovative ways in which science and technology can enhance national security.

"It is very fitting that the creation of this fellowship celebrating

the career of Herb York coincides with the Laboratory's 50th anniversary," said Eileen Vergino, deputy director of CGSR. "The fellowship honors the work Herb has done throughout his distinguished career in both science and policy. He worked tirelessly in his effort to link science and policy as demonstrated by his strong leadership in arms control."

The fellowship program seeks candidates with recent doctorates in

See **FELLOWSHIP**, page 8



Herbert York

## New workshop series explores next 50 years of science, technology

By **Don Johnston**

NEWSLINE STAFF WRITER

As the Laboratory prepares to mark its 50th anniversary, the Laboratory's Center for Global Security Research (CGSR) is launching a series of workshops looking at the next 50 years in "Science and Technology for National Security: Pioneering the Endless Frontier."

"In a world reordered by new threats and challenges — some of which

See **CGSR**, page 8



**Collecting  
for the capsule**

— Page 2



**1961: Fusion  
magnified**

— Page 3



**Testimony on  
counterterrorism**

— Page 5



## LAB COMMUNITY NEWS

### Weekly Calendar

Technical Meeting Calendar, page 4

Saturday  
**9**

There will be a **scheduled power outage** from 6 a.m. Saturday to 3 p.m. Sunday in the following locations: Bldgs. 494, 591 and 597; and Trailers 5925, 5926, 5927, 5928, 5974, 5975, 5976, 5977, 5978, 5979, 5980, 5981, 5982, 5983, 5984, 5985 and 5999. Contact: Mark Cardoza, 3-0490.

Monday  
**11**

B Division's **spring book sale returns** today through Friday, 11:30 a.m. to 1:30 p.m., in Bldg. 132, room 1200 (Q- or L-cleared access only). This time there are two boxes full of classical music records and lots of technical books, plus the usual selection of fiction and nonfiction. All proceeds are used to buy Christmas gifts for needy children. Contact: Lynn Groves, 2-1684.

Tuesday  
**12**

Nolan Thornberry from Chevron Texaco will present "**Repetitive Stress Injury Prevention Plan: Chevron's Standard for Preventing Computer-related RSIs**" at 10 a.m. in the Bldg. 361 auditorium. The talk, sponsored by the Lab's Ergonomics committee, will cover many of the concerns of ergonomic evaluators as well as employees who use a computer at work.



**David H. Russ, treasurer and vice president for Investments of the UC Regents**, will speak at the Lab on Monday, March 18, noon to 1 p.m. in the Bldg. 123 auditorium. He will share his views on the economy and the stock market. He will also discuss the importance of investing for retirement and what makes the UC Retirement Plan one of the most financially sound retirement systems in the world. Seating is available on a first-come, first-served basis.

...

Attorney David Hollander will give a talk on "**Lifelong Planning for Persons over 55**," at noon on Wednesday, March 27, in the Bldg. 123 auditorium. The talk, sponsored by the Eldercare Support Group of Health Services, will include information on Veterans Administration, long-term care insurance, Medicaid/medical, Medicare, HMO and PPO supplements. Family members of Lab employees and supplemental labor workers may attend but badges are required. To arrange for a badge, send family member's full name, social security number and citizenship to Marnette Yeager, yeager1@llnl.gov, or 2-1217 by noon Friday, March 22. Family members must be U.S. citizens and must have a valid driver's license or DMV ID card. Contact: Marnette Yeager, 2-1217.

...

The LLNL **Retirees Travel Slide Group** will meet at 2 p.m. on Tuesday, March 26 for a presentation by Gil Cruz on "Sojourning through New Zealand." The group meets at the Livermore Library meeting room.

## Lab items wanted for time capsule

As part of the Laboratory's 50th anniversary observance, a committee has been formed to collect items for a time capsule to be buried in September.

The capsule will contain memorabilia from life and work at the Lab during 2002 and will be slated for opening in 2052.

The committee would like to hear from employees on what objects or reports/publications might be included in the container, size yet to be determined. It



is preferable that the suggestion includes where the items might be obtainable. E-mail your suggestions to schrader2@llnl.gov or mail to Time Capsule Ideas, L-797.

To learn more about the time capsule concept or the City of Livermore's millennium time capsule, go to these Websites: the International Time Capsule Society at [www.oglethorpe.edu/itcs/](http://www.oglethorpe.edu/itcs/) or the Livermore Heritage Guild at [www.lhg.org/time/index.html](http://www.lhg.org/time/index.html)

## Retirees discover it's a small world after all

By Bob Becker

LLNL RETIREE

There has not been a lot of communication forthcoming from you retirees, so I'm afraid that this column will be somewhat limited.

...

What a small world! My wife Ginger and I took a cruise on Jan. 7 with the **Pittingers**. (Lee is a recent retiree from ME). On the flight to San Diego, a lady in the row in front of us asked if I was Bob Becker. I replied that I was but I had no idea who she was. It turned out to be **Effie Hurley**, whom I hadn't seen for 30 or 40 years. Effie operated the cryptograph in the very early days of the Livermore Lab for the

AEC. She was locked in a very small room with very high security so many people never got to know Effie. At the age of 40-plus, she married **Jim Hurley**, a well liked Lab employee, and later they were blessed with twins. Everyone who knew Jim and Effie were thrilled. Jim died suddenly and Effie transferred to Albuquerque where she worked in classification. To make the world smaller, her daughter is now married to the son of **Gus Olson's** (EE) new wife, **Jane Rubert Olsen** (ME). Jane and Gus were also on the cruise. I hope that I got all these facts correct. I should have taken notes. By the way, the cruise to Mexico was great!

...

The retirees' annual officer installation dinner dance on Jan. 18 at Springtown was its usual success.

### RETIREES' CORNER

had spent there years ago.

...

I hope that many of you are taking the time to drop a note to Laurie Powers, P.O. Box 808-L-664, LLNL, Livermore CA, 94550, about some stories that you remember. This is a part of the 50-year anniversary that the Lab is celebrating this year.

...

It is always great to hear from **Jenny and Bob Crow** (Security), as you may remember they had a travel business in Oregon so they are able to take advantage of special travel arrangements for travel agents. Their trips included Balli, Malaysia, Shanghai, Man, Beijing, London, Scandinavian capitals and St Petersburg. In their spare time, they went to Florida, San Juan Islands, Spain and Portugal. Have any of you retirees considered the travel business??

...

**Pete Stathis** (EE and NTS) and his wife **Pat** (NTS and Materials Management) now live on their 40 acres in Pershing County, Nevada, just south of Winnemucca. Pete is using his amateur radio skills. His call sign is WA7CWM. They would like to hear from their friends pstathis2001@yahoo.com.

...

I hope that I haven't misplaced too many of my cryptic notes. Let me hear from you. Bob Becker: 1690 Frederick Michael Way, Livermore, CA 94550.

## IN MEMORIAM

### Harinarayana Lakkaraju

Harinarayana Sarma Lakkaraju died Feb. 25, after suffering a stroke. He had been a professor in the physics department of San Jose State University since 1981 and was spending a one year sabbatical performing research in the Lab's Medical Technology Program, the BioSecurity Support Laboratory, and the Material Research Institute.

He was an expert in laser spectroscopy and non-linear optics, a member of the American Physical Society, the Optical Society of America, and the International Society for Optical Engineering where he was a past president of the local chapter. At LLNL he was applying his knowledge and experience to the development of novel optical instruments and biophysical measurements.

Lakkaraju quickly made many friends during his brief stay at LLNL. He took great pleasure in his scientific research and was delighted at the opportunity to learn about areas of science that were new to him. He approached all subjects with great enthusiasm, an attitude that became infectious among his co-workers. He was an inspiration, mentor and role model to his younger colleagues.

Lakkaraju was born in Bapatla, India, and is survived by his wife and two sons.

Contributions in his memory may be made to the American Diabetes Association.

## Newsline

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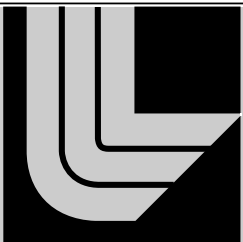
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1952 – 2002  
MAKING HISTORY, MAKING A DIFFERENCE



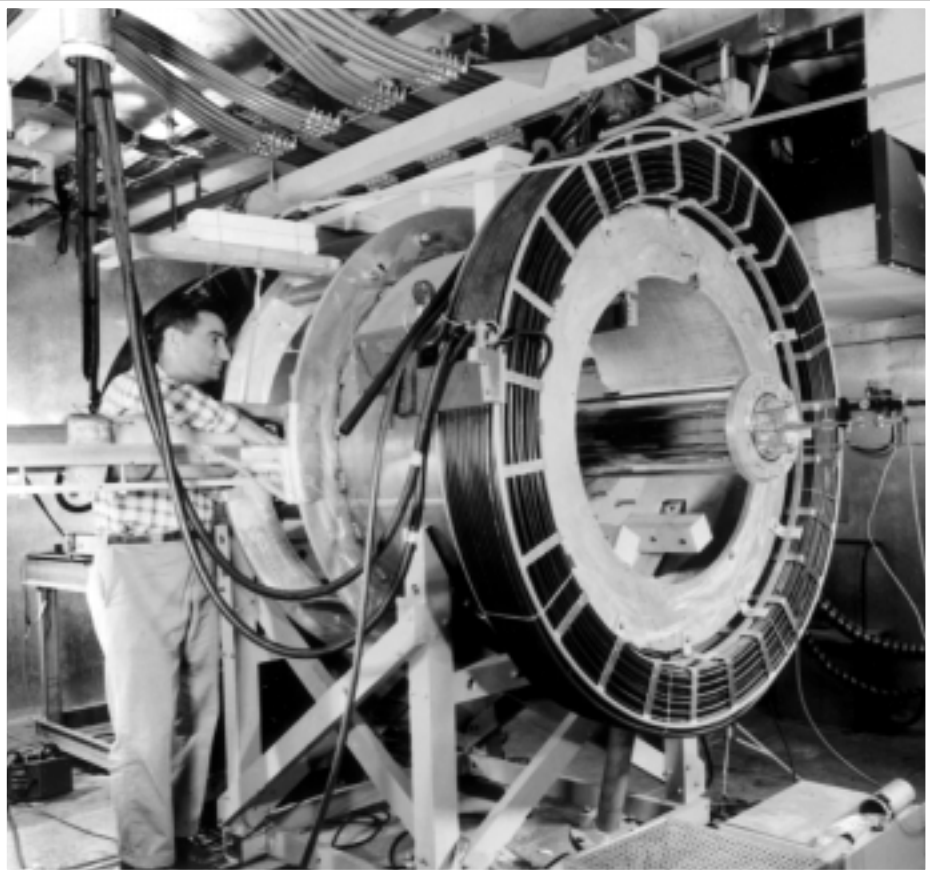
Project Sherwood — Progress in Magnetic Fusion

*This is an ongoing feature highlighting the Lab’s 50-year history. This week we take a look at the year 1961.*

In 1961, the International Atomic Energy Agency held its first conference on controlled nuclear fusion in Salzburg, Austria. And although Livermore’s fusion research fell under the critical tongue of the Soviet Union’s chief fusion experimentalist, L.A. Artsimovich, the meeting did pave the way for future cooperation with Russian scientists while the Cold War raged.

Earlier, at the 1958 Atoms for Peace conference in Geneva, Livermore researchers presented the accomplishments of Project Sherwood, the Laboratory’s recently declassified, fusion research program. A principal program thrust entailed trapping plasma by using magnetic mirrors (intense magnetic fields) at the ends of a cylindrical region. Using machines named Toy Top and Table Top, considerable progress was made confining hot-electron plasmas, but plasma instabilities emerged as a significant barrier to achieving fusion.

At the 1961 meeting, Artsimovich’s colleagues shared how they suppressed plasma instabilities by reshaping the mirror field. Within months, Livermore researchers duplicated this result and went on to pioneer new and improved mirror field configurations. However, overcoming other high-frequency plasma instabilities would be a major challenge.



An early machine at the Laboratory, called Table Top, is used to explore magnetic mirrors to confine hot plasmas for fusion energy.

SHERWOOD  
1961 project

Around the world

- Berlin Wall is erected
- U.S.S.R. puts first man in orbit
- First American in space
- U.S. invades Cuba at Bay of Pigs

Around the nation

- President John F. Kennedy forms the Peace Corps
- Bob Dylan is discovered and produces his first album
- Movies released include “West Side Story,” “The Hustler,” and “Breakfast at Tiffany’s”

Around the Lab

- John Foster is Lab’s director
- Number of employees sharply increases in early 1960s
- Major Lab work includes nuclear weapons research, development, and testing; magnetic fusion; inertial fusion; and peaceful nuclear explosives testing. The Biomedical and Plowshare Programs were both established.

in other  
NEWS

Significant  
events around  
the world, the  
nation and at  
the Lab.

See the Timeline: <http://www.llnl.gov/timeline/>    See anniversary stories: [http://www-r.llnl.gov/50th\\_anniversary/history.htm](http://www-r.llnl.gov/50th_anniversary/history.htm)



March up to join  
the parade

In celebration of its 50th anniversary,  
the Lab is joining the parade — make  
that four of them to be exact.

The Lab’s float, celebrating 50 years of  
science education, will debut at the

Dublin  
St. Patrick’s Day  
Parade, March 16

Accompanying the float will be the scientist  
drill team, a collection of volunteer employees  
dressed in Lab coats and drilling to  
selected music.

For more information on parade activities,  
contact Christine Mixan, 2-3138.

Your turn to sound off on ‘Lab speak’

In honor of the Lab’s 50th anniversary, we’re collecting a list of phrases and other ‘Labspeak’ you’ll only find within the confines of the gates. They can be phrases that are funny, odd, or simply make sense to no one — and yet you find yourself using them every day.

Your name (optional): \_\_\_\_\_ Your ext. \_\_\_\_\_

“Lab speak” nomination: \_\_\_\_\_

Comments (optional): \_\_\_\_\_

Return form to:  
Newsline  
Attn: Lynda Seaver,  
L-797



Lawrence Livermore  
National Laboratory  
Making History  
Making a Difference  
1952-2002



# NEWS YOU CAN USE

## Lab employees love a parade

Employees came out last Saturday to construct the Lab's special float, which will make its debut at the St. Patrick's Day Parade on March 16 in Dublin. Employees such as Hanson Loey, and Brian and Alea Marain (inset) picked up staple guns and scissors to affix streamers and other decorations across the float, which celebrates "Science Education for the Next Generation." The float features a larger than life microscope and computer, along with various signs extolling science, engineering and technology. Accompanying the float will be the "scientist drill team," which will perform at various stops along the way. Employees are invited to walk alongside the float, carrying signs. The float will also appear at the Livermore Rodeo Parade, June 8; the Alameda County Fair Parade, June 22; and the Fourth of July Parade in Danville. If you would like to participate in one or all of the parades, call Christine Mixan, 2-3138.



SCOTT WILSON/PUBLIC AFFAIRS

## Technical Meeting Calendar

Friday  
8

### DEFENSE & NUCLEAR TECHNOLOGIES

"Lessons Learned in My Years at DTRA" by Jay Davis, LLNL. 10:30 a.m. Bldg. 132 auditorium, room 1000 (cleared area). SRD presentation. Contact: Linda Stuart: 3-7001.

### INSTITUTE FOR GEOPHYSICS & PLANETARY PHYSICS

"Precision Cosmology with Galaxy Cluster Surveys?" by Joseph Mohr, University of Illinois. Noon, Bldg. 319, room 205 (badge required). Contacts: Adam Stanford, 3-6013, Josie Morgado, 4-5201.

### PHYSICS & ADVANCED TECHNOLOGIES

"Neutrino Oscillations and the Future of Life Underground," by Nathaniel Longley, Macalester College. 10:30 am, Bldg. 211, Room 227 (badge required). Contacts: Peter Barnes, 2-3384, or Pat Smith, 2-0920.

### INSTITUTE FOR SCIENTIFIC COMPUTING RESEARCH

"A Hybrid Particle Level Set Method for Improved Interface Capturing," by Doug Enright, Stanford University. 10 a.m., Bldg.

451, room 1025 (uncleared area). Contacts: Dan Quinlan, 3-2668, or Leslie Bills 3-8927.

Monday  
11

### MATERIALS SCIENCE & TECHNOLOGY

"Nickel-Aluminide Foams," by Andrea Hodge, Northwestern University. 10 a.m., Bldg. 235, gold room (uncleared area). Contact: Luke Hsiung, 4-3125 or Roberta Marino, 3-7865.

Tuesday  
12

### LABORATORY'S ERGONOMICS COMMITTEE

"Repetitive Stress Injury Prevention Plan: Chevron's Standard for Preventing Computer-related RSIs," by Nolan Thornberry, ChevronTexaco. 10 a.m., Bldg. 361 auditorium. This talk will cover many of the concerns of ergonomic evaluators as well as employees who use a computer at work.

### LIVERMORE COMPUTING

LC Customers Monthly Meeting. 9:30 a.m., Bldg. 111, California Room (cleared area). Contact: Teresa Delpha, taf@llnl.gov, 3-7239.

Thursday  
14

### PHYSICS & ADVANCED TECHNOLOGIES

"Fireballs, Flares and Flickering - AE

Aquarii and Beyond," by Kevin Pearson. 10:30 a.m., Bldg. 219, room 163 (badge required). Contacts: Kevin Fournier, 3-6129, or Eryn Davis, 2-0475.

Friday  
15

### ENERGY & ENVIRONMENT

"Improving Seismic Event Locations Using Three-Dimensional, a priori Velocity Models: How Good is an Educated Guess?" by Megan Flanagan, LLNL. 10:30 a.m., Bldg. 543 auditorium. Contact: Camille Vandermeer, 3-2672.

### INSTITUTE FOR GEOPHYSICS & PLANETARY PHYSICS

"Determining the Cosmic Distance Scale with Galaxy Clusters," by Erik Reese, UC Berkeley. Noon, Bldg. 319, room 205. Contacts: Brad Holden, 2-7195, Josie Morgado, 4-5201.

The deadline for the next Technical Meeting Calendar is noon, Wednesday.

Send your input to tmc-submit@llnl.gov.



NEWS OF NOTE



Chou honored



DON JOHNSTON/NEWSLINE

Energy and Environment Associate Director C.K. Chou was honored last week by the Chinese American Networking Group for his continuous support. Chou (right) was presented his award by Dennis Lai while Executive Officer Ron Cochran and Administration AD Jan Tulk look on. The award was presented last Thursday at the Chinese American Networking Group's annual Chinese New Year banquet.

Vantine testifies on counterterrorism

By Stephen Wampler

NEWSLINE STAFF WRITER

Much work has been done to combat nuclear terrorism, although continued efforts are needed, Lab employee Harry Vantine told the U.S. Senate Foreign Relations Committee Wednesday in testimony.

Vantine, program leader for Counterterrorism and Incident Response within the NAI directorate, stated that a layered strategy must be used to protect against nuclear devices and other "dirty bombs" that would not have a nuclear yield but could spread radiation.

"As with every other aspect of the terrorism problem, there is no silver bullet," he said.

The multilayered approach, Vantine said, begins with stopping terrorists from acquiring nuclear weapons or nuclear materials. Other important layers include timely intelligence, preventing a device from reaching its targets and if these steps don't succeed, rendering the device inoperable; managing the consequences; and finding the perpetrators.

In his remarks, Vantine offered a number of suggestions, including the need to develop a comprehensive



Harry Vantine

assessment of the threat; setting priorities to protect high-risk targets, filling critical gaps in technology; and making a sustained investment in the science and technology to stop nuclear terrorism.

The National Nuclear Security Administration (NNSA) and its predecessors have taken nuclear terrorism seriously for more than 25 years. A national capability to

assess the credibility of nuclear threats resides within NNSA's Nuclear Assessment Program, Vantine said.

"Since the program began in 1977, we have assessed the credibility of more than 75 nuclear extortion threats, 30 nuclear reactor threats, 20 non-nuclear extortion threats and nearly 1,000 cases involving the attempted illicit sale of alleged nuclear materials," Vantine told the panel.

Also testifying Wednesday were Don Cobb, associate director for Threat Reduction at Los Alamos National Laboratory; Professor Steve Koonin of CalTech; Rich Meserve, head of the Nuclear Regulatory Commission; and Henry Kelly of the Federation of American Scientists.

Daffodil Days a kickoff for awareness campaign

Daffodil Days are here again.

Each spring, the Laboratory participates in this benefit for the American Cancer Society and is one of the top fund-raisers in California. Employees donated more than \$21,500 in last year's campaign.

Daffodils are on sale through Wednesday and will be delivered on Monday, March 25. See the list below for a representative near you.

In addition, the LLNL 2002 Cancer Awareness Campaign committee is starting to work on this year's campaign, which is planned for this sum-

mer. The committee plans to again bring locally and nationally recognized speakers to the Lab.

Volunteers are still needed to help with the month-long campaign. For more information, call Mark Costella at 2-8999.

Join your co-workers in fighting cancer

Purchase a bunch of freshly cut daffodils (10 stems) for \$10.  
A vase is available for an additional \$8.



The deadline for an LLNL order is Wednesday. • Delivery will be on Monday, March 25.

Money from this American Cancer Society-sponsored event will go to research, education and patient services.

Check the list below for the LLNL Daffodil Days volunteer nearest you who is accepting orders.

Name	Bldg.	Rm.	Phone	Name	Bldg.	Rm.	Phone	Name	Bldg.	Rm.	Phone
Arredondo, Loann	381	1360A	2-0626	Grandfield, Charlene	5475	1359	3-1779	Rodrigues, Lei Loni	131	2088	2-0654
Barnes, Tracey	111	580	3-9060	Jess, Rhonda	3703	1245	4-3057	Rutan, Dena	482	2234A	3-1813
Bell, Christine	5980	109A	3-9447	Jessup, Mary	231	1236	3-1760	Stone, Sharon	663	1000	2-7459
Berkich, Tracy	071	1020	2-8246	Jimenez, Irene	511	213	3-1273	Sefcik, Cookie	3226	104	3-2242
Bertram, Sharon	261	1408	2-5853	Lawrence, Sue	131	1020	3-3224	Shuler, Jean	113	1030	3-1909
Bishop, Sue	321A	1020C	2-9593	Lindsay, Karen	432	2003	4-4371	Springer, Frankie	111	332	3-6192
Breznik, Joanne	616	100	4-4101	Mahler, Florann	211	136	2-9173	Sorensen, Nanette	2925	101	2-9670
Carter, Karen	234	1020	3-5934	Marain, Alea	3725	429	2-3946	Thomas, Karma	2775	1019	2-5300
Case, Naomi	253	1538	2-8026	Mickels, Sharon	170	2110	3-9279	Twiss, Carol	571/671	1138	2-9395
Conrad, Janet	218	119	2-7561	Miller, Margie	314	216	3-0265	Watt, Maggie	332	1138	3-6003
Copp, Kathy	235	2070	4-2597	Nelson-Lee, Jennifer	5426	1009	2-5750	Weyburn, Sandy	551E	221E	2-0840
Curtis, Leslie	132N	1489	2-0217	Pereira, Kris	871	124	3-5245	Williams, Anita	132N	2254	2-4550
Dewolf, Chris	543	1277	3-8348	Pierce, Sue	2679	1269	3-1094	Yazzie, Darlene	132S	2121	3-7846
Fread, Lanette	411	1422	2-9288	Purpura, Gloria	1878	104	2-7281	Ybarra, Corinne	482	2158	3-9501
Garcia, Mona	121	1066	2-9858	Quick, Bonnie	451	2005	2-6510				





**AUTOMOBILES**

1973 - LS4 BB Corvette. Orig motor & trans. All stock. Runs great & very fast. \$12K. Iv msg. 209-954-9853

1991 - Acura Integra, automatic,140k, call for details, \$4300 925-447-4224

1985 - Chevy Suburban - Great restoration project, must see. Sacrifice at \$1200.00. 209-956-3718

1994 - Camaro, V-6,white,5-speed,Bose AM/FM cassette Stereo,new tires,alloy rims,cruise,very clean & reliable, \$4,800 OBO. 925-964-0534

1997 - Infinity J30T Pearl white, 6-cylinder, Sun roof, CD,New brakes, leather. Beautiful.85,000 miles.\$14,000. 209-366-0658

1987 - Sterling 825SL, Red, Auto, 108K Miles, \$1500 OBO. 925-462-7052

1985 - Jag XJ6 Vanden Good condit ion asking \$4000.00 408-592-4182

1986 - BMW 325E, 4 DR, Dark Grey/Tan, Very Good cond. except for clear coat, Well Maintained, 27 MPG, High Freeway Miles, VERY Reliable, \$2700. 209-943-2166

1994 - Dodge Van B250 V-8, A/C, power doors/windows, ABS, 2-tone paint, captains seats, carpet, PS, tilt wheel, tow pkg, wide tires, running boards \$6420 925-462-3055

1995 - Cutlas Sumpreme in great condition. Power doors/windows. Upgraded CD/Stereo system. \$7500/OBO 925-449-2172

1998 - Honda Accord LX, 4-door, V6, Tan, 33K miles, immaculate condition, \$16,500. Call at 510-792-0161

1999 - Mercury Cougar 2 Dr V6 Automatic Coupe. Fully loaded, to much to list. Beautiful condition inside and out. Extended warranty. 36,000 miles. \$10,500. 925-606-7053

1991 - Honda Accord EX automatic, low miles, leather, sun-roof, good condition, maintainance records, second owner, very clean, \$3900 OBO 510-773-3993

1999 - Toyota Tacoma, 4x4, V6 SR5 w/towing pkg, new shell w/liner, white, auto, ps, pb, ac, tilt. 48k miles 18,000 (westgate parking lot) 209-743-6455

1996 - Jetta GLS. Great condition. \$7500. Call for details. 925-606-6432

1994 - White Ford Escort hatchback. Very clean, tires and engine replaced, great condition, for \$3,000. Call 925-606-4250, or 925-449-8747

1983 - Ford Thunderbird, 5.0 L V8, At, power, alarm, custom wheels/tires, black ext. runs good, \$1500 obo 510-538-7444

1994 - Ford Taurus, 4 dr, auto, a/c, 79k miles, very good condition, \$3800 925-447-3779

1992 - Bronco, Eddie Bauer, leather, 4x4, lifted, Rancho suspension, alarm, keyless entry, new tires, excellent condition, \$10,000 OBO 209-728-2015. 925-447-5012

**AUTOMOBILE ACCESSORIES**

Rancho skid plate \$250; RSX shocks \$100. Fits late model GM trucks w/ lift. Like new, no dings, less than 750 miles. 209-365-0412

Flowmaster cat-back exhaust, 50 series \$250; ProTecta bed mat \$60; R&D Fog light controller \$20. All like new. Fits late model GM trucks. 209-365-0412

305/70R16 ProComp Tires on 16x8 Weld Racing wheels w/ caps. Fits late model GM trucks. Like new, less than 750 miles. Paid \$1,700; Asking \$1,250. 209-365-0412

# CLASSIFIED ADS

Carpet Kit - Fits small size, short-bed truck, excellent condition. \$75.00 925-449-8035

Third seat for cargo area of Ford Explorer, tan cloth, front/rear facing, seats 3. Used 2 months. Seat belts, headrests, and hardware incl. \$400. 925-757-6896

Four Bridgestone Dueler ATS tires on 15x7, 5 on 5.5 Jeep wheels. Size 235-75R-15 Good cond. Asking \$100/obo 925-373-6450

Truck tie down hooks. Hiding load hooks for stake bed pockets. Fits in all Ford trucks, \$25 925-484-4099

Tire P195 SR 14 and rim, full size spare for 240 series Volvo. \$20 925-447-6775

Chevy 396, Aluminum intake, oval port heads, long block, complete with water pump, alternator, etc. \$600. Call after 5pm or weekends 925-455-0149

Bug Shield for Mazda MPV \$20 925-455-1730

205X75X15 tire + wheel,2 mud/snow tires 13 in.,mazda trk.rear window,P225X50XZr16 Dunlop tire 925-735-7002

Roll bar for full size pickup - \$50 obo 925-443-5565

(4) Brand New Ford Super Duty Truck Premium Wheels on LT265/75RX16E BSW All-Season Tires. \$750 or B.O. #925-455-4041 925-455-4041

**BICYCLES**

Bicycle headlight, dual beam Nite Rider, has a handlebar mounted high-low beam switch. Very bright, new \$260, asking \$100 925-484-4099

Two Peugeot P8 12-speed bikes in very good condition. Touring handle-bars, 27-in wheels. One 23-in frame, one mixtie. Best offer. 925-837-0421

**BOATS**

Two - 1997 Yamaha Wave Ventures 760, 1-Double Trailer with spare tire. Racket winches & tie downs. Not used for 2yrs, low hours, like new. \$9000.00 OBO (510) 276-1135

Kayak, Perception-Torrent,surf & river up to cl IV,length 10.1ft,open-top,thigh straps, footbraces,hatch,handles & oth-ers. \$300 925-373-6353

17.6, 1988 Sunbird, open bow, 4.3 liter V-6, Cobra outdrive, 4-1/2ft ski pylon, marine radio, CD player, depth gauge, Great Cond. \$5750.00 925-634-8523

91 Reinell 17ft I/O low hours, excel-lent condition. Great for skiing or fish-ing. Asking \$8200 OBO 925-245-1414

2 1997 SeaDoos in GREAT condition. Low Hours! 3-seater (can pull skier) / 2-seater. \$10,000/O.B.O. 209-834-0300

79 Apollo 25ft Fisherman. Slps 4, Head/Galley. Great for ocean salmon/delta stripers. Downriggers/electronics/93 gal.trlr. 85 V8,new I/O \$9,900 925-447-7455

1995 Ski Sanger new Ski Tower,looks and runs like new. Asking 16,000 or B.O. 209-632-4568

**ELECTRONIC EQUIPMENT**

Paracclipse Antenna, 12 ft.diameter alu-minum dish with reciever, controller and cable. Price \$100 209-836-1506

Dartboard, electronic Halex 3200-Q, up to 8 players. Paid \$75. Never opened, still in box. \$50. 925-648-0671

13 inch color TV. Great condition. \$25 925-292-1877

PowerMac 7200 w/104MB RAM, 500MB SCSI-disk, CDROM, key-board, mouse, Apple 17in monitor,

100MB-SCSI extrnl ZIP, Sony SRSPC30 spkrs. \$300 OBO. 925-829-3711

27 inch RCA Colored Television, \$150 or Best offer. 925-998-5935

Scanner,HP6200 w Adobe PhotoDelux, etc, 600 dpi, scans vert well, just got new one to scan slides. Orig \$399, sell \$80. 925-447-8415

JVC 12 disc changer for car. Model #CH-X200. 1 year old. Asking \$80.00 OBO. 209-833-8306

Monitors, other computer stuff call....what do you need? Word processor.battery backup 925-735-6002

PC and Color Printer. Win95, 133mhz, 28MBRAM, 540MBHD, CD-ROM and 3.5 floppy, video card, 56k modem. Exc cond, great for student/home. \$395/BO. 209-295-7007

**GIVEAWAY**

GIVEAWAY youth bed w/ mattress, seldom used 925-449-4669

FREE! Set of four Michelin tires mount-ed on 14 inch steel rims. Fits all Honda Civics and Acura Integras. 25 percent tread remaining. 925-736-8992

Two dogs; Beagle, 8 yrs., neutered M, housebroken, no kids; Australia cattle dog mix, M, 4 yrs. housebroken, friendly. 925-425-0515

Camera Canon Sure Shot, 80 Tele needs shutter work. 925-449-3737

Oak cabinet doors,drawers & hard-ware from small kitchen. 925-294-9022

Six dual pane aluminum windows with screens. 5 ft wide by 3 ft tall. 925-373-7654

Loveseat worn but good condition. High quality piece, just needs slip-cover. 925-277-1050

Free 10 year old double size mattress and box spring. You haul. 925-449-4645

Typewriter. Brother electric AX-25 with user guide & spare ribbon. Excellent Condition. 925-513-2784

Carbon steel structural shapes (angle, plate, bar, I-beam) great for welding projects. 925-443-2880

Free fire wood. Pieces are cut to size to fit any fireplace. 925-245-1414

Toshiba 35 inch TV in floor-standing oak cabinet. Stereo/sub-woofer. Works great but no blue gun. 925-736-8992

Twin mattress,(without box frame), gd condition and full bed mattress. Lack of space. 925-426-0162

Full Rottweiler puppies, 10 wks old, FREE, male & female, no papers avail-able now, Ma & Pa here to see, mov-ing out of state 925-447-0747

**HOUSEHOLD**

Crib- Pali white crib, model Cloud, converts to daybed, storage drawer, excellent condition/quality, paid \$350.00, sell for \$150.00 w/ mattress. 925-828-5331

Kenmore Elite Glass electric stovetop; GE Profile Microwave Convection Oven combination. New in 2000, like new. Asking \$800 for both. 925-846-9515

Sofa sleeper, blue w/wood trim \$50. Loveseat sofa, cream pattern w/wood trim \$25. 925-606-6422

Sofa: Old fashioned camelback, ball and claw foot, large, tan/burgandy flo-ral pattern. Like new, have photo on site. \$300/obo 925-243-9310

Coffee table and end table. Colonial style, Cherry finish. Good condition. \$50 for both, OBO. Digital pics avail-able upon request. 925-803-9928

Furniture- Entertainment Center, dark oak, glass stereo cab + drawers/doors, \$400. Bookcases, large double light oak \$75; 36in w pine \$40. 925-371-0783

Two white enamel day beds (no trun-dles). \$60 each. 925-757-6896

Leather rocker/recliner-navy blue,like new,excellent condition, rarely used. \$150 925-373-7434

Sofa & Love seat rose, green, blue flo-ral on white x-cond \$400; quality iron daybed, ivory w/porcelain knobs gd-cond \$125; oak ent cntr mk offer 925-443-8132

Extension Ladder, 30 foot, wooden, \$150 925-443-5549

Computer desk & hutch (pine). Like new. \$400.00. Kelly 209-832-2578

Beige sectional with red, green, & blue threading. Neutral color works with almost any interior. \$300 O.B.O. Leave message. 925-606-1735

TWO INCH SHUTTERS 34X45(wht) & 34X60, 39X75,and 39X62 stained pine. \$40 takes all. 925-455-1392

2 sets of comforters and sheets. Boys royal blue race car design. Great con-dition. \$20 925-292-1877

College refrigerator, 3.6 cu. ft., just 3 years old, runs well, only \$75! First come. . . 925-648-8008

Draperies custom made w/matching valances and shears,solid colors, light grey 82x138; beige 85x85 - \$150 each set 925-449-3821

Italian Leather Sofa for living room. Set of 2, cream colored. \$600 or Best offer. 925-998-5935

Three swivel oak barstools, \$175.00. Oak coffee table half circle, top rotates for full circle, \$45.00. Pine kitchen table w/four chairs, \$200.00 209-824-8750

Singer commercial Sewing Machine, with stand. \$100.00 or best offer. 925-362-0903

Maytag Washer & Dryer (white). Dryer belts six months new. Good condition, estate sale. Prefer selling as set. \$250/OBO. 925-462-6503

Loveseats, excellent condition, sturdy fabric. See to appreciate. \$85 each. 925-447-1826

Oak Coffee Table and matching Oak End Tables. (parquet looking) a medi-um oak color. Great Shape. \$60 for all. 209-832-7204

White Washed Oak entertainment section with lighted smoked glass cabinet doors and lighted mirror. Dimensions are approx. 6ftwx6fth. Asking \$300.00. 925-513-9372

Amana side by side Refrigerator, 22 cuft. very good condition, \$250.00 209-836-1506

Dining Room Set Darkpine 6 chairs Hutch with glass \$750.00 925-625-9215

Victrola console record player. 1906 era. Includes assortment of records. Good working condition. \$500/BO. After 5 PM 209-836-0116

Shower doors. sliding glass shower doors for use with tub/shower.In good shape with all the hardware. \$50. 925-447-3780

King Size Bed with Box Springs and Mattress Dark wood finish with Head Board and Mirror. Gd condition. \$100. 209-835-9082

Small oak desk; perfect shape; \$50; 925-443-9594

Dining room set. Black/Green lac-quer.Two piece china cabinet,table with one leaf,and six chairs. Excellent condition. \$700.00/Best offer 925-513-0854

Sears Kenmore Chest Freezer, 15 Cubic ft., \$80. Great for maximizing your food budget. 925-455-6516

Waterbed Queen,mirror bookcase headboard,semi-waveless,liner,heater.\$100.00 call after 5:30PM 925-455-6886

drapes,various rods,Elvis new pic.,bowling balls/shoes..photo albums,photo bags,misc. photo stuff.,new Lino 76 in.by 67in., furnace filters(new). 925-735-6002

Princess Cedar Chest by Lane. Guaranteed for \$1000.00 against moth damage. Excellent condition. \$99.00 925-449-8035

Whirlpool free standing dishwasher \$40 925-447-5303

Dryer Kenmore, electric, almond good clean condition, \$95 925-443-5565

General Electric Super Capacity Washer and Dryer. Washer 8 cycle, 2 speed, White, Sell as a Set, Excellent Condition, 2 Years Old, \$450.00 209-836-5596

12 place settings Noritake dinnerware, like new cond. includes serving dish-es. \$300 925-989-6199

**LOST & FOUND**

Lost hardbound black lab notebook with maroon spine labeled OPO book. Lost the evening of Feb. 27. If found, please call. 925-243-0377

FOUND: Gold Bracelet on 2/20/02 in SNL Parking Lot (near Guard Post). If yours, please call with description to claim. 925-447-6423

FOUND on 2/6/02 in B132N first floor womens restroom - insulated lunch bag. 925-829-2848

**MISCELLANEOUS**

Vacuum wet/dry QSP 10, 2.25 hp, instructions, extra bags, used very little \$30 Genova gutter parts \$10 Redwood post 6x6x64 \$25 925-449-3737

Brad Nailer, 1 1/4inch, 18ga, unopened Porter-Cable w/ case, \$85. Stanley hand miter box and saw, like new \$15. 925-294-9022

Three TL-15 UL Burglary Rated Safes for sale in excellent condition. New were \$3000.00 or more ea. Will sell for \$750.00 OBO. Ask for Mike 925-447-9353

Microsoft Office XP Professional Edition. Full Version with Word/Excel/ Powerpoint/Access/ Outlook & Publisher. Retail \$579. Price \$375. 925-998-5935

Diamond Ring. Princess center .83ct,F-vs2; 6 channel princesses .59ct,F-vs: 18K white & yellow gold. appr. @ \$7000, asking \$3999. 925-672-8782

Resistol Quicksilver-Mens blk. felt cowboy hat, sz. 7 3/8. Good cond. Rarely used. Reg. \$150 will sell for \$60 925-373-7434

Utility/Laundry Sink. Tub approx. 2 ft x 2 ft wide x 18 in. deep. Free-standing heavy white plastic. Chrome faucet. Clean, light use. \$20. 925-606-9575

Rototiller- 5hp, 4-speed, Manuals, Hard starting. Needs TLC. \$100 obo. 925-443-5086

10 inch Compound Miter Saw, Ryobi model TS-260, with carbide blade. \$60.00 209-832-0765

GIANTS Tickets for sale. \$34 for two seats in upper reserve section. Many good games available. 925-484-0716

Sugar Bowl lift tickets. 3 adult \$30ea, reg \$54, 1 young adult(13-21) \$20, reg \$40 valid non holiday mid week 2002 season. 209-836-3481

Adorable Bunny Crib and Bedding. Comforter, sheets, bumper pads, di-per stacker, mobile. never used,paid 600.00, asking 200.00 925-371-8323



ASCI  
Continued from page 1

Being able to simulate a complete weapon system allows national laboratory researchers to examine key physics issues through a combination of simulation, precision experiments, and analysis of data from past nuclear tests. Understanding these physics issues is crucial to the manufacture of replacement weapon components and the refurbishment of aging stockpile weapons.

The two code teams used different successful approaches to meeting the milestone requirement and both completed their simulations more than two months ahead of schedule. A laboratory-sponsored external review panel of distinguished physicists and computer scientists conducted a detailed independent review of the computational methods and results of these simulations, and affirmed the success of both approaches.

Los Alamos’ Crestone Project team worked with Science Applications International Corp. (SAIC) and Lawrence Livermore computer scientists on supercomputers at the two laboratories. Although researchers prepared, ran and revised codes for their simulation for about seven months, the actual run time was about four months of around-the-clock computing. The simulation used more than 480 million cells on 1,920 of the 8,192 processors on the IBM ASCI White machine at

Livermore. The actual time on the central processing unit was 2,931 wall-clock hours or 122.5 days — more than 6.6 million CPU hours — equivalent to computing continuously on a high-end home computer for more than 750 years.

“Our simulation was run remotely from Los Alamos on the White machine at Livermore, more than 1,000 miles away,” Los Alamos’ Crestone Project Leader Bob Weaver explained. “Thanks to the secure network connecting the laboratories, this remote computing effort worked almost as easily as computing on a local supercomputer at Los Alamos.”

Because the simulation ran remotely, researchers at Los Alamos viewed the data using LANL’s 3.1 teraOPS Silicon Graphics Blue Mountain supercomputer and its EnSight graphics package developed by Computational Engineering International. The data transmitted between the laboratories was about 35 times the information contained in the Library of Congress.

The expert panel reviewing the Los Alamos simulation said, “The Crestone effort also far exceeded the milestone requirements...This is a unique capability within ASCI and adds strength to the overall program.”

The Livermore simulation ran on more than 1,024 processors of the ASCI White machine and took 39 days to execute.

“This is a very significant accomplishment.

For the third time running we’ve reached our milepost,” said Dave Nowak, head of LLNL’s ASCI program. “We demonstrated we can run all the necessary packages simultaneously. The achievement of this milepost is another critical step for the stockpile stewardship program. The Defense and Nuclear Technologies code teams deserves a lot of credit for not only achieving an important milepost but pushing the boundaries of computer simulation.”

The review panel chair, MIT Professor Kim Molvig, said that the LLNL calculation “went above and beyond the milepost definition to far exceed the milepost requirements.” The simulation produced important information about the nuclear weapons stockpile, including the primary and secondary yields, for comparison to past nuclear test data.

This latest achievement is part of the NNSA’s Advanced Simulation and Computing (ASCI) effort, which involves NNSA employees, teams from Lawrence Livermore, Los Alamos and Sandia National laboratories, and key partners from the U.S. computer industry.

The first phase of the program focused on development of computers of unprecedented speed and capacity. Now it also sponsors development of new multiple-physics simulation codes needed to identify, diagnose and correct potential concerns about the aging U.S. nuclear stockpile.



CLASSIFIED ADS

See complete classified ad listings at  
<https://www-ais.llnl.gov/newsline/ads/>

MOTORCYCLES

1995 - Harley-Davidson XLH Sportster 1200, Great Bike! Black, chrome, windshield, bags, pipes, 23K miles, \$7000. 925-560-1129

PETS & SUPPLIES

Parakeet, small teal male with cage \$20.00. 925-706-2088

BABY COCKATIELS HAND TAME \$50.00 209-669-7588

Dwarf Netherland Rabbit black, Doe. Very small rabbit, not yet full grown. Comes with all kinds of extras...except cage. 209-521-5062

English Springer Spaniels. 6 males, 6 females 4 weeks old. \$450 ea. AKC and first shots. All are liver and white. Call home # only. 209-836-3749

RECREATION EQUIPMENT

Home Gym. Muscle III Tuffstuff w/multiple workstations. Compact, adjustable, quality equipment. Moving, must sell. \$300 925-513-2784

Stair machine. Collapsible portable design slides under bed, etc. Works fine. \$30. 925-606-9575

K2 USA Fatty ski, 90cm, adjustable bindings, original box, used only once. \$150.00 926-373-6353

SKB Golf Club Travel Hard Case (w/ wheels) for sale. \$175.00 new. Never used. Asking. \$75.00. 650-348-8872

Stationary Bike for Exercise,Almost never used. \$50 or Best Offer 925-998-5935

CardioGlide Plus by Weslo. Users video and manual included. Speed, time, distance display. Livermore. \$45 925-449-7646

Womens downhill ski boots size 9 and skis (both barely used) \$150.00 or best offer. 209-948-0286

Shimano EnduroII Clicker Snowboard Boots - Sz10. Only used a couple times & in near perfect shape. \$65 209-869-5820

Mens Nordica ski boots, size 10.5-11, \$30 925-447-8845

Lee carbide sizer die for 45 ACP.

Never used. \$15. 925-245-4570

Swim Coat. DuWest Green with Gold. LHS on back. \$40 209-835-5031

Tunturi exercycle, low mileage. \$350 new, asking \$100. 925-443-1969

AB Doer II, ab workout machine with workout tape and original shipping box, new cond., paid \$100 new, asking \$80 obo 925-455-1959

RIDESHARING

Express your commute, call 2-RIDE for more information or visit <http://www-r.llnl.gov/tsmp>.

Manteca - Rider/Driver for Carpool. Drive 1 day wk & 1 day mo. Relax the rest. 7:45-4:30. 209-823-5085, ext. 2-0643

Modesto - Vanpool, Modesto to LLNL, 7:00 to 3:30 shift, has one opening. Call Mike 209-529-1010, ext. 3-0487

Orinda - Lafayette-Moraga carpool seeks 4th rider/driver. Lab hours 8:15am-5pm. Meets near Highway 24 and St. Stephens exit. 925-253-0498, ext. 2-9823

Modesto - 14 psgr. Captain chairs, reading lights. 7:45 - 4:30; \$110/mo. Help drive and reduce rate further. 209-521-9047, ext. 2-5177

Ceres/Modesto - 14 psgr Enterprise deluxe van, 7:00-3:30. \$110/month 209-537-0229, ext. 3-6631

Modesto - Looking for car pool partners and share driving.Hours flexible. 209-522-7136, ext. 3-3575

San Jose - Looking for carpool partner from San Jose-South Bay area. 408-578-8480, ext. 2-8061

SERVICES

House painting - Exterior & Interior. Over 16 yrs. experience. free estimates. 209-956-3718

Roofing, 28 yrs experience, fully insured, free estimates 925-454-9200

Handyman Service. Big or small jobs. Doors, windows, plumbing, add-on, etc...Licenced Contractor 925-371-8323

TUTORING in high school and college chemistry and math. 925-443-

2095

Concrete: Custom,stamped,colored,foundations, flat work & more. Have portfolio. Lic#787092-B. Over 20 years experience. Free estimates. 209-833-8309 209-833-8306

HOUSE CLEANING SERVICE, reasonable rates, Tracy area preferred. 209-836-9082

Stress or those aching muscles get you down. Therapeutic massage at Livermore Valley Tennis Club every Tues. and Wed. 510-791-8623

SHARED HOUSING

Livermore - Room for rent in 3bd/2ba home near the Lab. Full privileges N/P \$575.00 + 1/3 utilities. leave message at 925-422-8483 or 925-606-9558

Livermore - Room for rent. Looking for a clean/responsible person to share my 2bd/1ba home. N/S. No pets. \$650 + dep and 1/2 utilities. 925-443-2270

Livermore - Room \$550, 1 Acre,next to Vineyards,Spa,Bike to lab, Internet,digital Cable, Kitchen and laundry privileges 925-373-2910

TO TRADE

2 size 27X30 9 in.thick, 2 24X23 9 in. thick Down Cushions/Pillows-New. 925-735-6002

TRUCKS & TRAILERS

1981 - Starcraft Pop-up Tent Trailer. 13 ft long opens to 18 ft. Sleeps 6. Sink, stove, heater, battery, etc. Good starter camper. \$550. 925-373-7654

1986 - Winnabago 33ft, New transmission, generator, new dash air conditioning, new air bags, 14,000 with nice tow vehicle included. 925-443-6015

1988 - Toyota Truck, 4x4,5speed, \$3500/BO 925-443-3422

1993 - Ziemann boat trailer,single axle with brakes,removable hitch.Had 18 foot boat on it. 209-825-4242

1995 - Ford Explorer Excellent condition. Kept serviced. New tires, all power, cassette, Tow package. Asking Blue Book Price \$6,900.00 OBO 510-537-7222

1999 - Winnebago Rialta 22F Classic mini motorhome with extended warranty. Excellent condition with 25,750 miles. \$41,000.00. 925-447-4173

VACATION RENTALS

SOUTH LAKE TAHOE - 3 Bedroom 2 bath Chalet, newly remodeled, nicely furnished,all amenities,close to all skiing, Reserve Now! 209-599-4644

Maui, HI - Kahana Reef oceanfront 1BR/1BA condominium. Beautiful two-island view, oceanside pool, and BBQs. Low LLNL rates for year-round reservations. 925-449-0761

Maui - Embassy Suites - right by the ocean!1 bdrm suite w/ full kitchen for one week; up to 4 people. Scenic view - beautiful! LLNL discount. 209-832-2790

Maui - Condo, RCI Gold Crown, large 1 bed room, 2 bath, sleeps 4, avail. May 9-16 or trade for other times. 925-447-0856

Kailua-Kona, Hawaii - 2BR/2Bath condo on Alii Drive. Ocean view, 2 pools, exercise room and warm weather. Call for Lab rates. 925-833-6061

HAENA, KAUAI - - Private house and/or studio on the scenic north coast near Hanalei Bay - this is the real Hawaii! House-\$125/day, studio-\$75/day. 831-479-3441

SEA RANCH - Oceanview home. No smoking. No pets. Adults only. 2BR(KQ)/2BA 1700sqft. Hike. Bike. Whale watch. Kayak. Swim. Tide pool. 925-443-5086

WANTED

Wanted: daybed, good condition. 925-706-2088

WANTED: 4 GIANTS tickets for regular season. Also WANTED: 6 GIANTS tickets for regular season. Call Beth or Kurt at 510-635-2734

Weight bench 925-443-2114

Daybed, good condition. 925-706-2088

Recumbant exercise bike wanted for disabled person. 510-537-7222 510-537-7222

Wanted: Yard/garden chipper/shredder in good condition. 925-447-4173

Video camera with LCD display. Also, multiple CD changer for home stereo. Not DVD. 3-6 CD capacity. Call Cathy. 209-833-9522

WANTED: Old stereo equip, speakers, vacuum tubes, amps etc. 925-443-2954

Furniture dolly and four each Four to six inch diameter wheels to build a flat bed plywood wagon. 925-443-1769

Hard-worker to help with weeding and pruning large area. 925-443-8889

WANTED: Metal or wood storage shed 8ft. x 10ft. If it meets the need I will tear down and move. 209-892-5885

Gate for small livestock. Rough dim. 6 feet long x 4 high. 209-892-6186

Wanted: Epson 1160 printer. Need for specific application. Call Jay. 925-784-5669

Childrens wood play structure w/fort, swings and slide 925-837-8533

Wanted used panty hose and stockings in any condition.Items will be used by Eastern Star members, as stuffing for physical therapy balls. 925-606-1972

Someone answered my ad on needing autocad 2000 or greater. Please call back, your phone number did not work. 510-791-8623

Queen bedroom set for guest room. Reasonable. Bridge with nightstands OK. Do not need mattress or boxspring. 925-243-0760

Need someone to do some simple sewing - trim on curtains. Long curtain. 925-443-7901

Housekeeper for Dublin or Livermore area, every two weeks. 925-833-6061

Games for Super Nintendo wanted. 925-455-1730

4 pcs.high density foam 20 in.by 20 in. 925-735-6002

Old gasoline pumps (1940-1950s) and used Schwinn string ray banana seat bicycles(1970s). 925-846-1661

Wanted: skis for beginning and advanced skiers. Around 150 cm and 195 cm. 925-454-3396

Looking for auditioners to sing the National Anthem at 2002 Livermore Rodeo, 6/8-9. Auditions 3/30. 925-449-0865



## THE BACK PAGE

### DIRECTOR

*Continued from page 1*

national stockpile stewardship program, and something similar to this has appeared in nearly every A-List. The special feature of this year's goal is the existence of a five-year budget and plan — i.e., what we do this year on developing the details of the plan can have a major impact on our work for the next half-decade.

The NIF item is obvious — we simply have to meet both the program and project deliverables from now until NIF is fully operating to restore the Lab's reputation in taking on major projects and to ensure a long, productive life for the facility.

The counter-terrorism goal is equally compelling. We have done outstanding work since the tragic events of September 11, but the organization of future efforts and our role in them will largely be established by the end of this year. This is already a major priority for the country and for us.

The survey item is also obvious: Nearly all of our planned human resource actions are embodied in its recommendations.

Operationally, we need to continue to have a site that is safe and secure, and to demonstrate that fact by passing all outside reviews. This is particularly important post-September 11 where the concerns and attention to those issues are heightened.

Next, we are nearing the end of our first two years of the new 5-year UC contract. We must continue to meet all Appendix O deliverables, and both UC and NNSA also expect real progress on integrating both our business and programmatic areas.

The seventh item is focused on areas outside direct NNSA sponsorship, in both programs and basic science and technology. Because of the many "crises" of the last several years, these areas need special attention to restore the mechanisms needed for their internal health, and for outside support where appropriate.

Supercomputing has been near the top of the Lab's A-List since our beginning and we have the complex task this year of bidding and awarding the contract for the computer that will replace ASCI White. Concurrently, we need to strengthen our computational science even further to enable us to exploit the new machine as an essential part of our national leadership role in supercomputing.

Once the new Director takes office, he or she will quickly be compelled to articulate the general directions for the Laboratory. Whether this involves formal strategic planning as the first step will be up to the Director, but some statements along those lines are almost inevitable.

Finally, it is our 50th anniversary year and we should all use this occasion to learn from the past and think about the future.

So, there you have it, this year's A-List. It's difficult to argue with the first six items or the last two, but there was considerable competition for the 7th and 8th items. For example, business operations have been excellent for some time and maintaining that is a perennial objective, but there's no special institutional effort associated with that at the moment. And, selecting new ADs for Chemistry and Materials Science and Biology and Biotechnology Research is clearly very important, but I believe it fits within "normal activities" this year. So like all lists, there is some debate, but a clear set of imperatives for the vast majority of items. I hope and expect we will focus our attention appropriately and be as successful this year as we have been in the recent past.

### FELLOWSHIP

*Continued from page 1*

science and engineering. Fellows will focus their studies on the interface between technology and policy and be expected to provide new insights into difficult national security challenges.

"There's an under-representation of scientists in science policy jobs in Washington D.C.," said Laura Gilliom, head of LLNL University Relations Program. "It's important to forge links between science and policy. It's a natural for us to do. The York fellowship complements our other postdoc programs."

Creation of the fellowship program was a partnership between CGSR and the University Relations Program with strong support from the DOE's National Nuclear Security Administration and the University of California.

York Fellows will be mentored by a senior CGSR staff member. In the pursuit of their studies, fellows

will also be expected to work with people from industry, academia, government and national and international security organizations. Areas of particular interest to CGSR include reducing threats from the proliferation of weapons of mass destruction; security implications of emerging technologies, and the role of science and technology in national security, from arms control and peacekeeping to homeland defense and warfare.

The program will select a first fellow this summer for a one-year fellowship, renewable for a second year.

Herb York served as Laboratory director from 1952 until 1958, at which time he left Livermore to serve as the first director of the Defense Department's Office of Defense Research and Engineering. York also served as chancellor of UC San Diego, as a member of the President's Science Advisory Committee and as a member of several arms control and test-ban treaty delegations. Later he became director of the Institute for Global Conflict and Cooperation and con-

tinues to serve as a professor and director emeritus of the institute.

Former Lab Director Mike May, a close friend of York's, said it's very appropriate that a CGSR fellowship be named for Herb York. "For 50 years, Herb York has been a great builder and contributor not just to science at the Laboratory, but to the whole enterprise of science helping government.

"He's a great guy. He has been a pioneer in many things," May said. "Not only was he the first director of the Laboratory, but the first director of DoD's Office of Research and Engineering and the first chancellor of UC San Diego.

"Herb has always been very positive, sensible and receptive to new ideas. He's broad in his interests," he said, noting not only York's long standing interest in arms control and policy issues but the fact that he speaks Spanish and learned Chinese later in life.

Despite his recent illness, York has been "steadily cheerful," May said. "He's inspiring to be around."

### CGSR

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are made possible by technology — it's critical that we step back and examine ways in which science and technology can continue to contribute to national security," said Eileen Vergino, deputy director of CGSR. "The Lab's 50th anniversary is an opportune time to look at how the role of science and technology in national security will evolve over the next 50 years."

This is the fourth project in CGSR's "Global Security Futures Series," which brings together experts in national security and science and technology from government agencies, national laboratories, universities, research centers, institutes and industry as well as from the international community.

By bringing together experts from technology and policy to look out beyond the next decade, the futures workshops aim to provide fresh insights into important national security issues — insights that can guide current policy actions and science and technology research toward a more secure world.

The point of departure for the first workshop starting at the Lab Tuesday and Wednesday is discussion of the 1944 letter from President Roosevelt and subsequent report to President Harry B. Truman provided in 1945 by Vannevar Bush, director of the Office of Scientific Research and Development. The document has served as a blueprint for science and technology research and development in the nation and the government's role in supporting science.

In the letter of transmittal to President Truman, Bush wrote: "The pioneer spirit is still vigorous within this nation. Science offers a largely unexplored hin-

derland for the pioneer who has the tools for this task. The rewards of such exploration, both for the nation and the individual, are great. Scientific progress is one essential key to our security as a nation, to our better health, to more jobs, to a higher standard of living, and our cultural progress."

"This is an absolutely remarkable document," said Jay Davis, CGSR National Security Fellow and chair of a workshop discussion group. "It is as relevant today as it was then. This is a good starting point for addressing questions about the future."

Broadly, the workshops and culminating conference at the Lab September 18-19 will critically examine the science and technology requirements imposed by national security, and conversely, the challenges and constraints to security caused by science and technology.

Breakout groups will discuss the "Future of National Security," "Future of Science and Technology" and "Technology and Globalization." Key questions to be explored include: What will be the key national security needs?; Where is science going?; What are the implications for national security posed by technology and globalization? and what will be the impact of biotechnology on security.

"Our method is to pose specific questions designed to define what we know, what we don't know or cannot agree on, and what might be needed to resolve the unknowns," said CGSR Director Ron Lehman about an earlier workshop series.

A new feature introduced this year is a workgroup made up of young Lab scientists and engineers identified by associate directors as future leaders in their fields. "We're using the workshops as an opportunity to expose the next generation of scientists to leading science and technology policymakers," Vergino said.

"We need to get young up and coming scientists thinking about the context of their work earlier in their careers.

"The workshops help the technical community understand policy requirements," she said, "and it helps policy people realize the full breadth of what we do is possible as a result of science and technology."

For more information about the workshops and CGSR, check the Web at <http://cgsr.llnl.gov/>



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